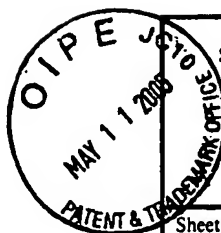


Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 15

## Complete if Known

Application Number	10/055,711
Filing Date	January 22, 2002
First Named Inventor	REBAR et al.
Group Art Unit	1636
Examiner Name	T. McKevery
Attorney Docket Number	8325-0025 (S25-US1)

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
me	A1	4,990,607		Katagiri et al.	02-05-1991
	A2	5,096,814		Aivasidis et al.	03-17-1992
	A3	5,096,815		Ladner et al.	03-17-1992
	A4	5,198,346		Ladner et al.	03-30-1993
	A5	5,223,409		Ladner et al.	06-29-1993
	A6	5,243,041		Fernandez-Pol	09-07-1993
	A7	5,302,519		Blackwood et al.	04-12-1994
	A8	5,324,638		Tao et al.	06-28-1994
	A9	5,324,818		Nabel et al.	06-28-1994
	A10	5,324,819		Oppermann et al.	06-29-1994
	A11	5,340,739		Stevens et al.	08-23-1994
	A12	5,348,864		Barbacid et al.	09-20-1994
	A13	5,350,840		Call et al.	09-27-1994
	A14	5,356,802		Chandrasegaran	10-18-1994
	A15	5,376,530		De The et al.	12-27-1994
	A16	5,403,484		Ladner	04-04-1995
	A17	5,436,150		Chandrasegaran	07-25-1995
	A18	5,487,994		Chandrasegaran	01-30-1996
	A19	5,498,530		Schatz et al.	03-12-1996
	A20	5,578,483		Evans	11-26-1996
	A21	5,597,693		Evans et al.	01-28-1997
	A22	5,602,009		Evans et al.	02-11-1997
	A23	5,639,592		Abramson et al.	06-17-1997
	A24	5,674,738		Abramson et al.	10-07-1997
	A25	5,702,914		Evans et al.	12-30-1997
	A26	5,789,538		Rebar et al.	08-04-1998
	A27	5,792,640		Ma	08-11-1998
	A28	5,814,618		Bujard et al.	09-29-1998
	A29	5,830,721		Stemmer et al.	11-03-1998
	A30	5,869,618		Lippman et al.	02-09-1999
	A31	5,871,902		Weininger et al.	02-16-1999
	A32	5,871,907		Winter et al.	02-16-1999
	A33	5,939,538		Leavitt et al.	09-17-1999
	A34	5,972,615		An et al.	10-26-1999
	A35	6,001,885		Vega et al.	12-14-1999
✓	A36	6,004,941		Bujard et al.	12-21-1999

Examiner  
Signature

*T. McKevery*

Date  
Considered

4/12/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.



Please type a plus sign (+) inside this box →



Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/055,711	
			Filing Date	January 22, 2002	
			First Named Inventor	REBAR et al.	
			Group Art Unit	1636	
			Examiner Name	T. McKelvey	
Sheet	3	of	15	Attorney Docket Number	8325-0025 (S25-US1)

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>7</sup> (if known)			
Tmc	B1	WO	92/02536		The Regents of the University of Colorado	02-20-1992	
	B2	WO	95/11922		Affymax Technologies N.V.	05-04-1995	
	B3	WO	95/19431		The Scripps Research Institute	07-20-1995	
	B4	WO	96/06110		Ariad Pharmaceuticals, Inc.	02-29-1996	
	B5	WO	96/06166		Medical Research Council	02-29-1996	
	B6	WO	96/11267		Deutsches Krebsforschungszentrum Stiftung Der Offentlichen Rechts	04-18-1996	
	B7	WO	96/20951		Massachusetts Institute of Technology	07-11-1996	
	B8	WO	96/32475		University of Washington	10-17-1996	
	B9	WO	97/27212		Rigel Pharmaceuticals, Inc.	07-31-1997	
	B10	WO	97/27213		The Board of Trustees of the Leland Stanford Junior University	07-31-1997	
	B11	WO	98/54311		The Scripps Research Institute	12-03-1998	
	B12	WO	99/27092		Prolifix Limited	06-03-1999	
	B13	WO	99/36553		Ariad Gene Therapeutics, Inc.	07-22-1999	
	B14	WO	99/41371		Strata Biosciences Incorporated	08-19-1999	
	B15	WO	99/42474		Genome Dynamics, Inc.	08-26-1999	
	B16	WO	99/45132		Massachusetts Institute of Technology	09-10-1999	
	B17	WO	99/47656		Medical Research Council	09-23-1999	
	B18	WO	99/48909		Greisman, Harvey A.	09-30-1999	
	B19	WO	00/27878		Gendaq Limited	05-18-2000	
	B20	WO	00/41566		Sangamo Biosciences, Inc.	07-20-2000	
	B21	WO	01/04296	A1	McGill University	01-18-2001	
	B22	WO	02/066640	A2	Novartis AG	08-29-2002	
	B23	WO	03/016496	A2	The Scripps Research Institute	02-27-2003	
	B24	EP	0 875 567	A2	BASF AG	11-04-1998	

Examiner Signature	<i>Tanya McKelvey</i>	Date Considered	11/12/05
--------------------	-----------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>2</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>4</sup> Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/055,711
				Filing Date	January 22, 2002
				First Named Inventor	REBAR et al.
				Group Art Unit	1636
Examiner Name	T. McKelvey				
Sheet	4	of	15	Attorney Docket Number	8325-0025 (S25-US1)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
me	C1	Agarwal et al., "STIMULATION OF TRANSCRIPT ELONGATION REQUIRES BOTH THE ZINC FINGER AND RNA POLYMERASE II BINDING DOMAINS OF HUMAN TFIIS," Biochemistry 30(31): 7842-7851 (1991)	
	C2	Antao et al., "A THERMODYNAMIC STUDY OF UNUSUALLY STABLE RNA AND DNA HAIRPINS," Nuc. Acids. Res. 19(21): 5901-5905 (1991)	
	C3	Barbas, C.F. "RECENT ADVANCES IN PHAGE DISPLAY," Curr. Opin. Biotech. 4: 526-530 (1993)	
	C4	Barbas et al., "ASSEMBLY OF COMBINATORIAL ANTIBODY LIBRARIES ON PHAGE SURFACES: THE GENE III SITE," PNAS 88: 7978-7982 (1991)	
	C5	Barbas et al., "SEMISYNTHETIC COMBINATORIAL ANTIBODY LIBRARIES: A CHEMICAL SOLUTION TO THE DIVERSITY PROBLEM," PNAS 89: 4457-4461 (1992)	
	C6	Beerli et al., "TOWARD CONTROLLING GENE EXPRESSION AT WILL: SPECIFIC REGULATION OF THE ERBB-2/HER-2 PROMOTER BY USING POLYDACTYL ZINC FINGER PROTEINS CONSTRUCTED FROM MODULAR BUILDING BLOCKS," PNAS 95: 14628-14633 (1998)	
	C7	Beerli et al., "POSITIVE AND NEGATIVE REGULATION OF ENDOGENOUS GENES BY DESIGNED TRANSCRIPTION FACTORS," PNAS 97: 1495-1500 (2000)	
	C8	Bellefroid et al., "CLUSTERED ORGANIZATION OF HOMOLOGOUS KRAB ZINC-FINGER GENES WITH ENHANCED EXPRESSION IN HUMAN T LYMPHOID CELLS," EMBO J. 12(4): 1363-1374 (1993)	
	C9	Berg, J.M., "DNA BINDING SPECIFICITY OF STEROID RECEPTORS," Cell 57: 1065-1068 (1989)	
	C10	Berg, J.M., "SP1 AND THE SUBFAMILY OF ZINC-FINGER PROTEINS WITH GUANINE-RICH BINDING SITES," PNAS 89: 11109-11110 (1992)	
	C11	Berg et al., "THE GALVANIZATION OF BIOLOGY: A GROWING APPRECIATION FOR THE ROLES OF ZINC," Science 271: 1081-1085 (1996)	
	C12	Berg, J.M., "LETTING YOUR FINGERS DO THE WALKING," Nature Biotechnology 15: 323 (1997)	

Examiner Signature	<i>T. McKelvey</i>	Date Considered	11/12/05
--------------------	--------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/055,711	
			Filing Date	January 22, 2002	
			First Named Inventor	REBAR et al.	
			Group Art Unit	1636	
Examiner Name	T. McKelvey				
Sheet	5	of	15	Attorney Docket Number	8325-0025 (\$25-US1)

	C13	Bergqvist et al., "LOSS OF DNA-BINDING AND NEW TRANSCRIPTIONAL TRANS-ACTIVATION FUNCTION IN POLYOMAVIRUS LARGE T—ANTIGEN WITH MUTATION OF ZINC FINGER MOTIF," Nature Biotechnology 18(9): 2715-2720 (1990)	
	C14	Blaese et al., "VECTORS IN CANCER THERAPY: HOW WILL THEY DELIVER?" Cancer Gene Therapy 2(4): 291-297 (1995)	
	C15	Bonde et al., "ONTOGENY OF THE V-ERBA ONCOPROTEIN FROM THE THYROID HORMONE RECEPTOR: AN ALTERATION IN THE DNA BINDING DOMAIN PLAYS A ROLE CRUCIAL FOR VERBA FUNCTION," J. Virology 65(4): 2037-2046 (1991)	
	C16	Caponigro et al., "TRANSDOMINANT GENETIC ANALYSIS OF A GROWTH CONTROL PATHWAY," PNAS 95: 7508-7513 (1998)	
	C17	Celenza et al., "A YEAST GENE THAT IS ESSENTIAL FOR RELEASE FROM GLUCOSE REPRESSION ENCODES A PROTEIN KINASE," Science 233: 1175-1180 (1986)	
	C18	Cheng et al., "IDENTIFICATION OF POTENTIAL TARGET GENES FOR ADRLP THROUGH CHARACTERIZATION OF ESSENTIAL NUCLEOTIDES IN UAS1," Mol. Cellular Biol. 14(6): 3842-3852 (1994)	
	C19	Cheng et al., "A SINGLE AMINO ACID SUBSTITUTION IN ZINC FINGER 2 OF ADRLP CHANGES ITS BINDING SPECIFICITY AT TWO POSITIONS IN UAS1," J. Mol. Biol. 251: 1-8 (1995)	
	C20	Choo et al., "DESIGNING DNA-BINDING PROTEINS ON THE SURFACE OF FILAMENTOUS PHAGE," Curr. Opin. Biotechnology 6: 431-436 (1995)	
	C21	Choo et al., "PHYSICAL BASIS OF PROTEIN-DNA RECOGNITION CODE," Curr. Opin. Struct. Biol. 7(1): 117-125 (1997)	
	C22	Choo et al., "PROMOTER-SPECIFIC ACTIVATION OF GENE EXPRESSION DIRECTED BY BACTERIOPHAGE-SELECTED ZINC FINGERS," J. Mol. Biol. 273: 525-532 (1997)	
	C23	Choo et al., "IN VIVO REPRESSION BY A SITE-SPECIFIC DNA-BINDING PROTEIN DESIGNED AGAINST AN ONOGENIC SEQUENCE," Nature 372: 642-645 (1994)	
	C24	Choo et al., "ALL WRAPPED UP," Nature Struct. Biol. 5(4): 253-255 (1998)	
	C25	Choo, Y., "RECOGNITION OF DNA METHYLATION BY ZINC FINGERS," Nature Struct. Biol. 5(4): 264-265 (1998)	

Examiner Signature		Date Considered	11/12/05
--------------------	--	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →

+

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/055,711	
			Filing Date	January 22, 2002	
			First Named Inventor	REBAR et al.	
			Group Art Unit	1636	
			Examiner Name	T. McKelvey	
Sheet	6	of	15	Attorney Docket Number	8325-0025 (S25-US1)

<i>True</i>	C26	Choo, Y., "END EFFECTS IN DNA RECOGNITION CODE," Nuc. Acids. Res. 26(2): 554-557 (1998)	
	C27	Choo et al., "A ROLE IN DNA-BINDING FOR THE LINKER SEQUENCES OF THE FIRST THREE ZINC FINGERS OF TFIIIA" Nuc. Acids Res. 21(15): 3341-3346 (1993)	
	C28	Choo et al., "TOWARD A CODE FOR THE INTERACTIONS OF ZINC FINGERS WITH DNA: SELECTION OF RANDOMIZED FINGERS DISPLAYED ON PHAGE," PNAS 91: 11163-11167 (1994)	
	C29	Choo et al., "SELECTION OF DNA BINDING SITES FOR ZINC FINGERS USING RANDOMIZED DNAS REVEALS CODED INTERACTIONS," PNAS 91: 11168-11172 (1994)	
	C30	Clarke et al., "ZINC FINGERS IN CAENORHABDITIS ELEGANS: FINDING FAMILIES AND PROBING PATHWAYS," Science 282: 2018-2022 (1998)	
	C31	Corbi et al., "SYNTHESIS OF A NEW ZINC FINGER PEPTIDE: COMPARISON OF ITS "CODE" DEDUCED AND "CASTING" DERIVED BINDING SITES," FEBS Letters 417: 71-74 (1997)	
	C32	Crozatier et al., "SINGLE AMINO ACID EXCHANGES IN SEPARATE DOMAINS OF THE DROSOPHILIA SERENDIPITY ZINC FINGER PROTEIN CAUSE EMBRYONIC AND SEX BIASED LETHALITY," Genetics 131: 905-916 (1992)	
	C33	Debs et al., "REGULATION OF GENE EXPRESSION IN VIVO BY LIPOSOME-MEDIATED DELIVERY OF A PURIFIED TRANSCRIPTION FACTOR," J. Biological Chemistry 265(18): 10189-10192 (1990)	
	C34	DesJardins et al., "REPEATED CT ELEMENTS BOUND BY ZINC FINGER PROTEINS CONTROL THE ABSOLUTE AND RELATIVE ACTIVITIES OF THE TWO PRINCIPAL HUMAN C-MYC PROMOTERS," Mol. Cell. Biol. 13(9): 5710-5724 (1993)	
	C35	Desjarlais et al., "REDESIGNING THE DNA-BINDING SPECIFICITY OF A ZINC FINGER PROTEIN: A DATA BASE-GUIDED APPROACH," Proteins: Structure, Function, and Genetics 12(2): 101-104 (1992)	
	C36	Desjarlais et al., "REDESIGNING THE DNA-BINDING SPECIFICITY OF A ZINC FINGER PROTEIN: A DATA BASE-GUIDED APPROACH," Proteins: Structure, Function, and Genetics 13(2): 272 (1992)	
	C37	Desjarlais et al., "TOWARD RULES RELATING ZINC FINGER PROTEIN SEQUENCES AND DNA BINDING SITE PREFERENCES," Proc Natl Acad Sci US A 89:7345-7349 (1992)	
	C38	Desjarlais et al., "USE OF A ZINC-FINGER CONSENSUS SEQUENCES FRAMEWORK AND SPECIFICITY RULES TO DESIGN SPECIFIC DNA BINDING, PROTEINS" PNAS 90: 2256-2260 (1993)	
	C39	Desjarlais et al., "LENGTH-ENCODED MULTIPLEX BINDING SITE DETERMINATION: APPLICATION TO ZINC FINGER PROTEINS," PNAS 91: 11099-11103 (1994)	
<i>✓</i>	C40	Dibello et al., "THE DROSOPHILA BROAD-COMPLEX ENCODES A FAMILY OF RELATED PROTEINS CONTAINING ZINC FINGERS," Genetics 129: 385-397 (1991)	

Examiner Signature	<i>Tanya McKelvey</i>	Date Considered	<i>11/12/05</i>
--------------------	-----------------------	-----------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/055,711	
			Filing Date	January 22, 2002	
			First Named Inventor	REBAR et al.	
			Group Art Unit	1636	
Examiner Name	T. McKelvey				
Sheet	7	of	15	Attorney Docket Number	8325-0025 (\$25-US1)

	C41	Donze et al., "ACTIVATION OF DELTA-GLOBIN GENE EXPRESSION BY ERYTHROID KRUPPLE-LIKE FACTOR: A POTENTIAL APPROACH FOR GENE THERAPY OF SICKLE CELL DISEASE," Blood 88: 4051-4057 (1996)	
	C42	Elrod-Erickson et al., "ZIF268 PROTEIN-DNA COMPLEX REFINED AT 1.6: A MODEL SYSTEM FOR UNDERSTANDING ZINC FINGER-DNA INTERACTIONS," Structure 4(10): 1171-1180 (1996)	
	C43	Elrod-Erickson et al., "HIGH-RESOLUTION STRUCTURES OF VARIANT ZIF268-DNA COMPLEXES: IMPLICATIONS FOR UNDERSTANDING ZINC FINGER-DNA RECOGNITION," Structure 6(4): 451-464 (1998)	
	C44	Fairall et al., "THE CRYSTAL STRUCTURE OF A TWO ZINC-FINGER PEPTIDE REVEALS AN EXTENSION TO THE RULES FOR ZINC-FINGER/ DNA RECOGNITION," Nature 366: 483-487 (1993)	
	C45	Frankel et al., "FINGERING TOO MANY PROTEINS," Cell 53: 675 (1988)	
	C46	Friesen et al., "PHAGE DISPLAY OF RNA BINDING ZINC FINGERS FROM TRANSCRIPTION FACTOR IIA," J. Biological Chem. 272(17): 10994-10997 (1997)	
	C47	Friesen et al., "SPECIFIC RNA BINDING PROTEINS CONSTRUCTED FROM ZINC FINGERS," Nature Structural Biology 5(7): 543-546 (1998)	
	C48	Ghosh, "A RELATIONAL DATABASE OF TRANSCRIPTION FACTORS," Nucleic Acids Res. 18: 1749-1756 (1990)	
	C49	Gillems et al., "ALTERED DNA BINDING SPECIFICITY MUTANTS OF EKLF AND SPL SHOW THAT EKLF IS AN ACTIVATOR OF THE B-GLOBIN LOCUS CONTROL REGION IN VIVO," Genes and Development 12: 2863-2873 (1998)	
	C50	Gogos et al., "RECOGNITION OF DIVERSE SEQUENCES BY CLASS I ZINC FINGERS: ASYMMETRIES AND INDIRECT EFFECTS ON SPECIFICITY IN THE INTERACTION BETWEEN CF2II AND A+T-RICH SEQUENCES ELEMENTS," PNAS 93(5): 2159-2164 (1996)	
	C51	Gossen et al., "TIGHT CONTROL OF GENE EXPRESSION IN MAMMALIAN CELLS BY TETRACYCLINE-RESPONSIVE PROMOTER," PNAS 89:5547-5551 (1992)	
	C52	Greisman et al., "A GENERAL STRATEGY FOR SELECTING HIGH-AFFINITY ZINC FINGER PROTEINS FOR DIVERSE DNA TARGET SITES," Science 275: 657-661 (1997)	
	C53	Hall et al., "FUNCTIONAL INTERACTION BETWEEN THE TWO ZINC FINGER DOMAINS OF THE V-ERBA ONCOPROTEIN," Cell Growth & Differentiation 3: 207-216 (1992)	

Examiner Signature		Date Considered	11/12/05
--------------------	--	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/055,711	
			Filing Date	January 22, 2002	
			First Named Inventor	REBAR et al.	
			Group Art Unit	1636	
Examiner Name	T. McKelvey				
Sheet	8	of	15	Attorney Docket Number	8325-0025 (\$25-US1)

me	C54	Hamilton et al., "HIGH AFFINITY BINDING SITES FOR THE WILMS' TUMOR SUPPRESSOR PROTEIN WT1," Nuc. Acids. Res. 23(2): 277-284 (1995)	
	C55	Hamilton et al., "COMPARISON OF THE DNA BINDING CHARACTERISTICS OF THE RELATED ZINC FINGER PROTEINS WT1 AND EGR1" Biochemistry 37: 2051-2058 (1998)	
	C56	Hanas et al., "INTERNAL DELETION MUTANTS OF XENOPUS TRANSCRIPTION FACTOR IIIA," Nuc. Acids. Res. 17(23): 9861-9870 (1989)	
	C57	Hayes et al., "LOCATIONS OF CONTACTS BETWEEN INDIVIDUAL ZINC FINGERS XENOPUS LAEVIS TRANSCRIPTION FACTOR IIIA AND THE INTERNAL CONTROL REGION OF A 5S RNA GENE," Biochemistry 31: 11600-11605 (1992)	
	C58	Heinzel et al., "A COMPLEX CONTAINING N-CoR, Msin3 AND HISTONE DEACETYLESE MEDATES TRANSCRIPTIONAL REPRESSION," Nature 387: 43-48 (1997)	
	C59	Hirst et al., "DISCRIMINATION OF DNA RESPONSE ELEMENTS FOR THYROID HORMONE AND ESTROGEN IS DEPENDENT ON DIMERIZATION OF RECEPTOR DNA BINDING DOMAINS," PNAS 89: 5527-5531 (1992)	
	C60	Hoffman et al., "STRUCTURES OF DNA-BINDING MUTANT ZINC FINGER DOMAINS: IMPLICATIONS FOR DNA BINDING," Protein Science 2: 951-965 (1993)	
	C61	Imhof et al., "TRANSCRIPTIONAL REGULATION OF THE AP-2ALPHA PROMOTER BY BTEB-1 AND AP-2REP, a Novel WT-1/EGR-RELATED ZINC FINGER REPRESSOR," Molecular and Cellular Biology 19(1): 194-204 (1999)	
	C62	Isalan et al., "SYNERGY BETWEEN ADJACENT ZINC FINGERS IN SEQUENCE-SPECIFIC DNA RECOGNITION," PNAS 94(11): 5617-5621 (1997)	
	C63	Isalan et al., "COMPREHENSIVE DNA RECOGNITION THROUGH CONCERTED INTERACTIONS FROM ADJACENT ZINC FINGERS," Biochemistry 37:12026-12033 (1998)	
	C64	Jacobs, G. H., "DETERMINATION OF THE BASE RECOGNITION POSITIONS OF ZINC FINGERS FROM SEQUENCE ANALYSIS," EMBO J. 11(12): 4507-4517 (1992)	
	C65	Jamieson et al., "A ZINC FINGER DIRECTORY FOR HIGH-AFFINITY DNA RECOGNITION," PNAS 93: 12834-12839 (1996)	
↓	C66	Jamieson et al., "IN VITRO SELECTION OF ZINC FINGERS WITH ALTERED DNA-BINDING SPECIFICITY," Biochemistry 33:5689-5695 (1994)	

Examiner Signature	<i>T. McKelvey</i>	Date Considered	4/12/05
--------------------	--------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<i>Complete if Known</i>		
			Application Number	10/055,711	
			Filing Date	January 22, 2002	
			First Named Inventor	REBAR et al.	
			Group Art Unit	1636	
Examiner Name	T. McKelvey				
Sheet	9	of	15	Attorney Docket Number	8325-0025 (S25-US1)

<i>Mc</i>	C67	Jones et al., "REPLACING THE COMPLEMENTARITY-DETERMINING REGIONS IN A HUMAN ANTIBODY WITH THOSE FROM A MOUSE," Nature 321: 522-525 (1986)	
	C68	Julian et al., "REPLACEMENT OF HIS23 BY CYS IN A ZINC FINGER OF HIV-1NCP7 LED TO A CHANGE IN 1H NMR-DERIVED 3D STRUCTURE AND TO A LOSS OF BIOLOGICAL ACTIVITY," FEBS Letters 331(1,2): 43-48 (1993)	
	C69	Kamiuchi et al., "NEW MULTI ZINC FINGER PROTEIN: BIOSYNTHETIC DESIGN AND CHARACTERISTICS OF DNA RECOGNITION," Nucleic Acids Symposium Series 37: 153-154 (1997)	
	C70	Kang et al., "ZINC FINGER PROTEINS AS DESIGNER TRANSCRIPTION FACTORS," J. Biol. Chem. 245(12):8742-8748 (2000)	
	C71	Kim et al., "SERINE AT POSITION 2 IN THE DNA RECOGNITION HELIX OF A CYS2-HIS2 ZINC FINGER PEPTIDE IS NOT, IN GENERAL, RESPONSIBLE FOR BASE RECOGNITION," J. Mol. Biol. 252: 1-5 (1995)	
	C72	Kim et al., "SITE-SPECIFIC CLEAVAGE OF DNA-RNA HYBRIDS BY ZINC FINGER/FOK1/CLEAVAGE DOMAIN FUSIONS," Gene 203: 43-49 (1997)	
	C73	Kim et al., "A 2.2 Å RESOLUTION CRYSTAL STRUCTURE OF A DESIGNED ZINC FINGER PROTEIN BOUND TO DNA," Nat. Struct. Biol. 3(11): 940-945 (1996)	
	C74	Kim et al., "DESIGN OF TATA BOX-BINDING PROTEIN/ZINC FINGER FUSIONS FOR TARGETED REGULATION OF GENE EXPRESSION," PNAS 94: 3616-3620 (1997)	
	C75	Kim et al., "HYBRID RESTRICTION ENZYMES: ZINC FINGER FUSIONS FOK I CLEAVAGE DOMAIN," PNAS 93: 1156-1160 (1996)	
	C76	Kim et al., "TRANSCRIPTIONAL REPRESSION BY ZINC FINGER PEPTIDES. EXPLORING THE POTENTIAL FOR APPLICATIONS IN GENE THERAPY" J. Biol. Chem. 272: 29795-29800 (1997)	
	C77	Kim et al., "GETTING A HANDHOLD ON DNA: DESIGN OF POLY-ZINC FINGER PROTEINS WITH FEMTOMOLAR DISSOCIATION CONSTANTS," Proc Natl Acad Sci U S A 95:2812-2817 (1998)	
	C78	Kinzler et al., "THE GLI GENE IS MEMBER OF THE KRUPPEL FAMILY OF ZINC FINGER PROTEINS," Nature 332: 371-374 (1988)	
<i>✓</i>	C79	Klug, A. "GENE REGULATORY PROTEINS AND THEIR INTERACTION WITH DNA," Ann. NY Acad. Sci. 758: 143-160 (1995)	

Examiner Signature	<i>Terry A. McKelvey</i>	Date Considered	<i>11/12/05</i>
--------------------	--------------------------	-----------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/055,711
				Filing Date	January 22, 2002
				First Named Inventor	REBAR et al.
				Group Art Unit	1636
Examiner Name	T. McKelvey				
Sheet	10	of	15	Attorney Docket Number	8325-0025 (S25-US1)

	C80	Klug et al., "PROTEIN MOTIFS 5: ZINC FINGERS," FASEB J. 9: 597-604 (1995)	
	C81	Klug, "ZINC FINGER PEPTIDES FOR THE REGULATION OF GENE EXPRESSION," J. Mol. Biol. 293: 215-218 (1999)	
	C82	Kothekar, "COMPUTER SIMULATION OF ZINC FINGER MOTIF FROM CELLULAR NUCLEIC ACID BINDING PROTEINS AND THEIR INTERACTION WITH CONSENSUS DNA SEQUENCES," FEBS Letters 274(1,2): 217-222 (1990)	
	C83	Kriwacki et al., "SEQUENCE-SPECIFIC RECOGNITION OF DNA BY ZINC FINGER PEPTIDES DERIVED FROM THE TRANSCRIPTION FACTOR SP-1," PNAS 89: 9759-9763 (1992)	
	C84	Kudla et al., "THE REGULATORY GENE AREA MEDIATING NITROGEN METABOLITE R IN ASPERGILLUS NIDULANS MUTATIONS AFFECTING SPECIFICITY OF GENE ACTIVATION ALTER A LOOP RESIDUE OF PUTATIVE ZINC FINGER," EMBO J. 9(5): 1355-1364 (1990)	
	C85	Laird-Offringa et al., "RNA-BINDING PROTEINS TAMED," Nat. Structural Biol. 5(8): 665-668 (1998)	
	C86	Liu et al., "DESIGN OF POLYDACTYL ZINC-FINGER PROTEINS FOR UNIQUE ADDRESSING WITHIN COMPLEX GENOMES," PNAS 94: 5525-5530 (1997)	
	C87	Liu et al., "TRANSCRIPTION FACTOR EGR-1 SUPPRESSES THE GROWTH AND TRANSFORMATION OF HUMAN HT-1080 FIBROSARCOMA CELLS BY INDUCTION OF TRANSFORMING GROWTH FACTOR BETA 1," PNAS 93(21): 11831-11836 (1996)	
	C88	Liu et al., "REGULATION OF AN ENDOGENOUS LOCUS USING A PANEL OF DESIGNED ZINC FINGER PROTEINS TARGETED TO ACCESSIBLE CHROMATIN REGIONS," J Biol Chem 276:11323-11334 (2001)	
	C89	Mandel-Gutfreund et al., "QUANTITATIVE PARAMETERS FOR AMINO ACID-BASE INTERACTION: IMPLICATION FOR PREDICATION OF PROTEIN-DNA BINDING SITES," Nuc. Acids Res. 26(10): 2306-2312 (1998)	
	C90	Margolin et al., "KRUPPEL-ASSOCIATED BOXES ARE POTENT TRANSCRIPTIONAL REPRESSION DOMAINS," PNAS 91: 4509-4513 (1994)	
	C91	Mizushima et al., "PEF-BOS, A POWERFUL MAMMILIAN EXPRESSION VECTOR," Nuc. Acids. Res. 18(17): 5322 (1990)	
	C92	Mukhopadhyay et al., "THE VON HIPPEL-LINDAU TUMOR SUPPRESSOR GENE PRODUCT INTERACTS WITH SPI TO REPRESS VASCULAR ENDOTHELIAL GROWTH FACTOR PROMOTER ACTIVITY" Mol. Cell. Biol. 17(9): 5629-5639 (1997)	

Examiner Signature		Date Considered	4/12/03
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/055,711
				Filing Date	January 22, 2002
				First Named Inventor	REBAR et al.
				Group Art Unit	1636
Examiner Name	T. McKelvey				
Sheet	11	of	15	Attorney Docket Number	8325-0025 (S25-US1)

me	C93	Nakagama et al., "SEQUENCE AND STRUCTURAL REQUIREMENTS FOR HIGH-AFFINITY DNA BINDING BY THE WT1 GENE PRODUCT," Molecular and Cellular Biology 15(3): 1489-1498 (1995)	
	C94	Nardelli et al., "ZINC FINGER-DNA RECOGNITION: ANALYSIS OF BASE SPECIFICITY BY SITE-DIRECTED MUTAGENESIS," Nucleic Acids Research 20(16): 4137-4144 (1992)	
	C95	Nardelli et al., "BASE SEQUENCE DISCRIMINATION BY ZINC-FINGER DNA-BINDING DOMAINS," Nature 349: 175-178 (1991)	
	C96	Nekludova et al., "DISTINCTIVE DNA CONFORMATION WITH ENLARGED MAJOR GROOVE IS FOUND IN ZN-FINGER-DNA AND OTHER PROTEIN-DNA COMPLEXES," PNAS 91: 6948-6952 (1994)	
	C97	Orkin et al., "REPORT AND RECOMMENDATIONS OF THE PANEL TO ASSESS THE NIH INVESTMENT IN RESEARCH ON GENE THERAPY," (Dec. 7, 1995)	
	C98	Pabo et al., "SYSTEMATIC ANALYSIS OF POSSIBLE HYDROGEN BONDS BETWEEN AMINO ACID SIDE CHAINS AND B-FORM DNA," J. Biomolecular Struct. Dynamic 1: 1039-1049 (1983)	
	C99	Pabo et al., PROTEIN-DNA RECOGNITION," Ann. Rev. Biochem. 53: 293-321 (1984)	
	C100	Pabo, C.O., "TRANSCRIPTION FACTORS: STRUCTURAL FAMILIES AND PRINCIPLES OF DNA RECOGNITION," Ann. Rev. Biochem. 61: 1053-1095 (1992)	
	C101	Pavletich et al., "CRYSTAL STRUCTURE OF A FIVE-FINGER GLI-DNA COMPLEX: NEW PERSPECTIVES ON ZINC FINGERS," Science, 261: 1701-1707 (1993)	
	C102	Pengue et al., "REPRESSION OF TRANSCRIPTIONAL ACTIVITY AT A DISTANCE BY THE EVOLUTIONARILY CONSERVED KRAB DOMAIN PRESENT IN A SUBFAMILY OF ZINC FINGER PROTEINS," Nuc. Acids Res. 22(15): 2908-2914 (1994)	
	C103	Pengue et al., "TRANSCRIPTIONAL SILENCING OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 LONG TERMINAL REPEAT-DRIVEN GENE EXPRESSION BY THE KRUPPEL-ASSOCIATED BOX REPRESSOR DOMAIN TARGETED TO THE TRANSACTIVATING RESPONSE ELEMENT," J. Virology 69(10): 6577-6580 (1995)	
	C104	Pengue et al., "KRUPPEL-ASSOCIATED BOX-MEDIATED REPRESSION OF RNA POLYMERASE II PROMOTERS IS INFLUENCED BY THE ARRANGEMENT OF BASAL PROMOTER ELEMENTS," PNAS 93: 1015-1020 (1996)	
✓	C105	Pomerantz et al., "ANALYSIS OF HOMEODOMAIN FUNCTION BY STRUCTURE-BASED DESIGN OF A TRANSCRIPTION FACTOR," PNAS 92: 9752-9756 (1995)	

Examiner Signature	<i>Tony A. McKelvey</i>	Date Considered	11/12/05
--------------------	-------------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/055,711		
		Filing Date	January 22, 2002		
		First Named Inventor	REBAR et al.		
		Group Art Unit	1636		
Examiner Name	T. McKelvey				
Sheet	12	of	15	Attorney Docket Number	8325-0025 (S25-US1)

me	C106	Pomerantz et al., "STRUCTURE-BASED DESIGNED OF A DIMERIC ZINC FINGER PROTEIN," Biochemistry 37(4): 965-970 (1998)	
	C107	Pomerantz et al., "STRUCTURE-BASED DESIGN OF TRANSCRIPTION FACTORS," Science 267: 93-96 (1995)	
	C108	Quigley et al., "COMPLETE ANDROGEN INSENSITIVITY DUE TO DELETION OF EXON C OF THE ANDROGEN RECEPTOR GENE HIGHLIGHTS THE FUNCTIONAL IMPORTANCE OF THE SECOND ZINC FINGER OF THE ANDROGEN RECEPTOR IN VIVO," Molecular Endocrinology 6(7): 1103-1112 (1992)	
	C109	Rauscher et al., "BINDING OF THE WILMS' TUMOR LOCUS ZINC FINGER PROTEIN TO THE EGR-1 CONSENSUS SEQUENCE," Science 250: 1259-1262 (1990)	
	C110	Ray et al., "REPRESSOR TO ACTIVATOR SWITCH BY MUTATIONS IN THE FIRST ZN FINGER OF THE GLUCOCORTICOID RECEPTOR: IS DIRECT DNA BINDING NECESSARY?" PNAS 88: 7086-7090 (1991)	
	C111	Rebar et al., "PHAGE DISPLAY METHODS FOR SELECTING ZINC FINGER PROTEINS WITH NOVEL DNA-BINDING SPECIFICITIES," Methods in Enzymology 267: 129-149 (1996)	
	C112	Rebar et al., "ZINC FINGER PHAGE: AFFINITY SELECTION OF FINGERS WITH NEW DNA-BINDING SPECIFICITIES," Science 263: 671-673 (1994)	
	C113	Reith et al., "CLONING OF THE MAJOR HISTOCOMPATIBILITY COMPLEX CLASS II PROMOTER BINDING PROTEIN AFFECTED IN A HEREDITARY DEFECT IN CLASS II GENE REGULATION," PNAS 86: 4200-4204 (1989)	
	C114	Rhodes et al., "ZINC FINGERS: THEY PLAY A KEY PART IN REGULATING THE ACTIVITY OF GENES IN MANY SPECIES, FROM YEAST TO HUMANS. FEWER THAN 10 YEARS AGO NO ONE KNEW THEY EXISTED." Scientific American 268:56-65 (1993)	
	C115	Rice et al., "INHIBITORS OF HIV NUCLEOCAPSID PROTEIN ZINC FINGERS AS CANDIDATES FOR THE TREATMENT OF AIDS," Science 270: 1194-1197 (1995)	
	C116	Rivera et al., "A HUMANIZED SYSTEM FOR PHARMACOLOGIC CONTROL OF GENE EXPRESSION," Nature Medicine 2(9): 1028-1032 (1996)	
	C117	Rollins et al., "ROLE OF TFIIIA ZINC FINGERS IN VIVO: ANALYSIS OF SINGLE-FINGER FUNCTION IN DEVELOPING XENOPUS EMBRYOS," Molecular Cellular Biology 13(8): 4776-4783 (1993)	
	C118	Sadowski et al., "GAL4-VP16 IS AN UNUSUALLY POTENT TRANSCRIPTIONAL ACTIVATOR," Nature 335: 563-568 (1988)	
↓	C119	Saleh et al., "A NOVEL ZINC FINGER GENE ON HUMAN CHROMOSOME 1 QTER THAT IS ALTERNATIVELY SPLICED IN HUMAN TISSUES AND CELL LINES," American Journal of Human Genetics 52: 192-203 (1993)	

Examiner Signature	<i>Terry McKelvey</i>	Date Considered	11/12/05
--------------------	-----------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/055,711		
		Filing Date	January 22, 2002		
		First Named Inventor	REBAR et al.		
		Group Art Unit	1636		
Examiner Name	T. McKelvey				
Sheet	13	of	15	Attorney Docket Number	8325-0025 (S25-US1)

me	C120	Shi et al., "SPECIFIC DNA-RNA HYBRID BINDING BY ZINC FINGER PROTEINS," Science 268: 282-284 (1995)	
	C121	Shi et al., "DNA UNWINDING INDUCED BY ZINC FINGER PROTEIN BINDING," Biochemistry 35: 3845-3848 (1996)	
	C123	Shi et al., "A DIRECT COMPARISON OF THE PROPERTIES OF NATURAL AND DESIGNED FINGER PROTEINS," Chem. & Biol. 2(2): 83-89 (1995)	
	C124	Singh et al., "MOLECULAR CLONING OF AN ENHANCER BINDING PROTEIN: ISOLATION BY SCREENING OF AN EXPRESSION LIBRARY WITH A RECOGNITION SITE DNA," Cell 52: 415-423 (1988)	
	C125	Skerka et al., "COORDINATE EXPRESSION AND DISTINCT DNA-BINDING CHARACTERISTICS OF THE FOUR EGR-ZINC FINGER PROTEINS IN JURKAT T LYMPHOCYTES," Immunobiology 198: 179-191 (1997)	
	C126	South et al., "THE NUCLEOCAPSID PROTEIN ISOLATED FROM HIV-1 PARTICLES BINDS ZINC AND FORMS RETROVIRAL-TYPE ZINC FINGERS," Biochemistry 29: 7786-7789 (1990)	
	C127	Spengler et al., "REGULATION OF APOPTOSIS AND CELL CYCLE ARREST BY ZZC1, A NOVEL ZINC FINGER PROTEIN EXPRESSED IN THE PITUITARY GLAND AND THE BRAIN," EMBO J. 16(10): 2814-2825 (1997)	
	C128	Suzuki et al., "STEREOCHEMICAL BASIS OF DNA RECOGNITION BY ZN FINGERS," Nuc. Acids Res. 22(16): 3397-3405 (1994)	
	C129	Suzuki et al., "DNA RECOGNITION CODE OF TRANSCRIPTIONAL FACTORS IN THE HELIX-TURN-HELIX, PROBE HELIX, HORMONE RECEPTOR, AND ZINC FINGER FAMILIES," PNAS 91: 12357-12361 (1994)	
	C130	Swirnoff et al., "DNA-BINDING SPECIFICITY OF NGFI-A AND RELATED ZINC FINGER TRANSCRIPTIONAL FACTORS," Mol. Cell. Biol. 15(14): 2275-2287 (1995)	
	C131	Taylor et al., "DESIGNING ZINC-FINGER ADRI MUTANTS WITH ALTERED SPECIFICITY OF DNA BINDING TO T IN UASI SEQUENCES," Biochemistry 34: 3222-3230 (1995)	
	C132	Thiesen et al., "AMINO ACID SUBSTITUTIONS IN THE SP1 ZINC FINGER DOMAIN ALTER THE DNA BINDING AFFINITY TO COGNATE SP1 TARGET SITE," Biochem. Biophys. Res. Communications 175(1): 333-338 (1991)	
✓	C133	Thiesen et al., "DETERMINATION OF DNA BINDING SPECIFICITIES OF MUTATED ZINC FINGER DOMAINS," FEBS letters 283(1): 23-26 (1991)	

Examiner Signature	<i>T. McKelvey</i>	Date Considered	11/12/05
--------------------	--------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →



Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/055,711	
			Filing Date	January 22, 2002	
			First Named Inventor	REBAR et al.	
			Group Art Unit	1636	
Examiner Name	T. McKelvey				
Sheet	14	of	15	Attorney Docket Number	8325-0025 (S25-US1)

Dmc	C134	Thiesen H. J. "FROM REPRESSION DOMAINS TO DESIGNER ZINC FINGER PROTEINS: A NOVEL STRATEGY FOR INTRACELLULAR IMMUNIZATION AGAINST HIV," Gene Expression 5: 229-243 (1996)	
	C135	Thukral et al., "LOCALIZATION OF A MINIMAL BINDING DOMAIN AND ACTIVATION REGIONS IN YEAST REGULATORY PROTEIN ADRII," Molecular Cellular Biology 9(6): 2360-2369 (1989)	
	C136	Thukral et al., "TWO MONOMERS OF YEAST TRANSCRIPTION FACTOR ADRI BIND A PALDROMIC SEQUENCE SYMMETRICALLY TO ACTIVATE ADH2 EXPRESSION," Molecular Cellular Biol. 11(3): 1566-1577 (1991)	
	C137	Thukral et al., "Mutations in the zinc fingers of adri that change the specificity of DNA Binding and Transactivation," Mol. Cell. Biol. 12(6): 2784-2792 (1992)	
	C138	Thukral et al., "ALANINE SCANNING SITE-DIRECTED MUTAGENESIS OF THE ZINC FINGERS OF TRANSCRIPTION FACTOR ADRI: RESIDUES THAT CONTACT DNA AND THAT TRANSACTIVATE," PNAS 88: 9188-9192 (1991)	
	C139	Vortkamp et al., "IDENTIFICATION OF OPTIMIZED TARGET SEQUENCES FOR THE GL 13 ZINC FINGER PROTEIN," DNA Cell Biol. 14(7): 629-634 (1995)	
	C140	Wang et al., "DIMERIZATION OF ZINC FINGERS MEDIATED BY PEPTIDES EVOLVED IN VITRO FROM RANDOM SEQUENCES," PNAS 96: 9568-9573 (1999)	
	C141	Webster et al., "CONVERSION OF THE E1A CYS4 ZINC FINGER TO A NONFUNCTIONAL HIS2, CYS2 ZINC FINGER BY A SINGLE POINT MUTATION," PNAS 88: 9989-9993 (1999)	
	C142	Whyatt et al., "THE TWO ZINC FINGER-LIKE DOMAINS OF GATA-1 HAVE DIFFERENT DNA BINDING SPECIFICITIES," EMBO J. 12(13): 4993-5005 (1993)	
	C143	Wilson et al., "IN VIVO MUTATIONAL ANALYSIS OF THE NGFI-A ZINC FINGERS," J. Biol. Chem. 267(6): 3718-3724 (1992)	
	C144	Witzgall et al., "THE KRUPPEL-ASSOCIATED BOX-A (KRAB-A) DOMAIN OF ZINC FINGER PROTEINS MEDIATES TRANSCRIPTIONAL REPRESSION," PNAS 91: 4514-4518 (1994)	
	C145	Wolfe et al., "ANALYSIS OF ZINC FINGERS OPTIMIZED VIA PHAGE DISPLAY: EVALUATING THE UTILITY OF A RECOGNITION CODE," J. Mol. Biol. 285: 1917-1934 (1999)	
✓	C146	Wright et al., "EXPRESSION OF A ZINC FINGER GENE IN HTLV-I AND HTLV-II TRANSFORMED CELL," Science 248:588-591 (1990)	

Examiner Signature	<i>Terry A. McKelvey</i>	Date Considered	11/12/05
--------------------	--------------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609/ Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/055,711
				Filing Date	January 22, 2002
				First Named Inventor	REBAR et al.
				Group Art Unit	1636
Examiner Name	T. McKelvey				
Sheet	15	of	15	Attorney Docket Number	8325-0025 (S25-US1)

<i>mc</i>	C147	Wu et al., "HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 NUCLEOCAPSID PROTEIN REDUCES REVERSE TRANSCRIPTASE PAUSING AT A SECONDARY STRUCTURE NEAR THE MURINE LEUKEMIA VIRUS POLYPURINE TRACT," J. Virol. 70(10): 7132-7142 (1996)	
	C148	Wu et al., "BUILDING ZINC FINGERS BY SELECTION: TOWARD A THERAPEUTIC APPLICATION," PNAS 92: 344-348 (1995)	
	C149	Yang et al., "SURFACE PLASMON RESONANCE BASED KINETIC STUDIES OF ZINC FINGER-DNA INTERACTION," J. Immunol. Methods 183: 175-182 (1995)	
	C150	Yu et al., "A Hairpin Ribozyme Inhibits Expression of Diverse Strains of Human Immunodeficiency Virus Type 1," PNAS 90: 6340-6344 (1993)	
↓	C151	Zhang et al., "SYNTHETIC ZINC FINGER TRANSCRIPTION FACTOR ACTION AT AN ENDOGENOUS CHROMOSOMAL SITE. ACTIVATION OF THE HUMAN ERYTHROPOIETIN GENE," Journal of Biological Chemistry 275(43): 33850-33860 (2000)	

Examiner Signature	<i>T. McKelvey</i>	Date Considered	11/12/05
--------------------	--------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/055,711
				Filing Date	January 22, 2002
				First Named Inventor	REBAR et al.
				Group Art Unit	1636
				Examiner Name	T. McKelvey
Sheet	1	of	1	Attorney Docket Number	8325-0025 (S25-US1)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
me	C1	Clemens, et al., "RELATIVE CONTRIBUTIONS OF THE ZINC FINGERS OF TRANSCRIPTION FACTOR IIIA TO THE ENERGETICS OF DNA BUILDING," J. Mol. Biol. 244:23-35 (1994)	
↓	C2	Matheny, et al., "THE NUCLEAR LOCALIZATION SIGNAL OF NGFI-A IS LOCATED WITHIN THE ZINC FINGER DNA BINDING DOMAIN," The Journal of Biological Chemistry 269(11): 8176-8181 (1994)	

Examiner Signature	<i>T. McKelvey</i>	Date Considered	11/12/05
-----------------------	--------------------	--------------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.